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Amendment
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GREGG CANTELMO
PRIMARY EXAMINER

OK TO ENTER

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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously presented) An electrochemical cassette comprising at least one electrochemical cell which comprises:
a membrane electrode assembly (MEA), a reductant flow field, an oxidant flow field, a separator plate, at least one reductant external manifold and at least one oxidant external manifold, wherein each flow field comprises at least one opening extending through the periphery of the cell and each external manifold comprises a primary manifold and at least one port capable of coupling to the peripheral openings in the flow field to which the external manifold is intended to deliver material;
wherein the MEA, oxidant flow field, reductant flow field, separator plate, the at least one oxidant external manifold, and the at least one reductant external manifold are assembled and encapsulated about the periphery thereof by a sealant.
2. (Original) The electrochemical cassette of claim 1, wherein each external manifold comprises a primary manifold which consists of a single conduit having a substantially uniform cross section along the length thereof.
3. (Original) The electrochemical cassette of claim 1, wherein each reductant external manifold and each oxidant external manifold comprises at least one port capable of mating to peripheral openings of an equal number of flow fields to which the manifold is intended to deliver or remove material.